

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Project	GAINS4	GAINS4	Country	GAINS3	TestBatc	IsOutbre	SiteName	Concurre	District	StateProv	SiteLatitu	SiteLongi	EventLati	EventLon	EventDate	Season
2	P2	1511	42412	China	EcoHealth	CN-Bats	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2518	110.283	25.2518	110.283	6/20/2016	Wet
3	P2	1512	42412	China	EcoHealth	CN-Bats	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2518	110.283	25.2518	110.283	6/20/2016	Wet
4	P2	1535	42714	China	EcoHealth	CN-Bats	no	Yunnan-X	Concurre	Yunnan	Yunnan	22.4319	100.669	22.4319	100.669	5/25/2016	Wet
5	P2	1536	42746	China	EcoHealth	CN-Bats	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4533	102.326	5/20/2016	Wet
6	P2	3853	248297	China	EcoHealth	CN-P2Y3	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2806	110.358	4/27/2017	Wet
7	P2	3854	248310	China	EcoHealth	CN-P2Y3	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2806	110.358	4/27/2017	Wet
8	P2	3855	248373	China	EcoHealth	CN-P2Y3	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2766	110.358	25.2766	110.358	5/14/2017	Wet
9	P2	3856	248374	China	EcoHealth	CN-P2Y3	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2766	110.358	25.2766	110.358	5/14/2017	Wet
10	P2	3857	248505	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangdor	Guangdor	23.7185	113.735	23.7185	113.735	6/6/2017	Wet
11	P2	3858	248563	China	EcoHealth	CN-P2Y3	no	Yunnan-C	Concurre	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	6/12/2017	Wet
12	P2	3859	248566	China	EcoHealth	CN-P2Y3	no	Yunnan-C	Concurre	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	6/12/2017	Wet
13	P2	3860	248603	China	EcoHealth	CN-P2Y3	no	Yunnan-C	Concurre	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	6/12/2017	Wet
14	P2	3861	248998	China	EcoHealth	CN-P2Y3	no	Yunnan-X	Concurre	Yunnan	Yunnan	22.4319	100.669	22.4319	100.669	8/22/2017	Wet
15	P2	4625	296666	China	EcoHealth	P2Y3 Bat	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2806	110.358	4/27/2017	Wet
16	P2	4626	297002	China	EcoHealth	P2Y3 Bat	no	Yunnan-C	Concurre	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	6/12/2017	Wet
17	P2	4627	297483	China	EcoHealth	P2Y3 Bat	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	8/23/2017	Wet
18	P2	7716	678829	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
19	P2	7717	678829	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
20	P2	7718	678846	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
21	P2	7719	678849	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
22	P2	7720	678913	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
23	P2	7721	678915	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
24	P2	7722	678916	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
25	P2	7723	679064	China	EcoHealth	CN-P2Y4	no	Yunnan-X	Concurre	Yunnan	Yunnan	22.4319	100.669	22.4319	100.669	7/2/2018	Wet
26	P2	7724	679324	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurre	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
27	P2	7853	710989	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1201	113.338	23.1201	113.338	1/17/2017	Dry
28	P2	7857	711059	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1201	113.338	23.1201	113.338	1/17/2017	Dry
29	P2	7858	711067	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1201	113.338	23.1201	113.338	1/17/2017	Dry
30	P2	7859	711074	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1722	113.449	23.1722	113.449	1/20/2017	Dry
31	P2	7860	711082	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
32	P2	7863	711094	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
33	P2	7864	711096	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
34	P2	7867	711116	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
35	P2	7870	711502	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangdor	Guangdor	23.1576	113.209	23.1576	113.209	5/9/2017	Wet
36	P2	7872	711504	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangdor	Guangdor	23.1576	113.209	23.1576	113.209	5/9/2017	Wet
37	P2	7873	711512	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.0633	113.253	23.0633	113.253	5/9/2017	Wet
38	P2	8047	734995	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.0901	113.254	23.0901	113.254	6/28/2017	Wet
39	P2	9536	711105	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
40	P2	9538	711047	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
41	P2	9539	711052	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
42	P2	9540	711053	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhd	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
43	P2	9541	711496	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangdor	Guangdor	23.1576	113.209	23.1576	113.209	5/9/2017	Wet
44	P2	7509	663447	China	EcoHealth	CN-P2Y4	no	Yunnan-X	Concurre	Yunnan	Yunnan	22.4319	100.669	22.4319	100.669	5/13/2018	Wet
45	P2	7528	676280	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
46	P2	7530	676368	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
47	P2	7533	676403	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
48	P2	7535	676405	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet
49	P2	7536	676536	China	EcoHealth	CN-P2Y4	no	Yunnan-Ji	Concurre	Yunnan	Yunnan	24.4646	102.322	24.4646	102.322	5/10/2018	Wet

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
1	Duration	EventName	AnimalID	TaxaGroup	AnimalClass	SpeciesS	SpeciesE	AnimalSex	Sex	Specimen	Specimen	TestName	LabSubm	TestDate	ResultsD	LabName	TestType	TestRequ
2	1	CN-Guang	160830	bats	free-rangii	Taphozou	Black-bea	#####	female	160830-2	rectal swa	160830-2	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
3	1	CN-Guang	160830	bats	free-rangii	Taphozou	Black-bea	#####	female	160830-2	rectal swa	160830-2	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
4	1	CN-Yunna	160794	bats	free-rangii	Rhinoloph	Intermedia	#####	male	160794-1	rectal swa	160794-1	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
5	2	CN-Yunna	160697	bats	free-rangii	Rhinoloph	Chinese h	#####	male	160697-2	rectal swa	160697-2	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
6	1	CN-Guang	CNAB004	bats	free-rangii	Hipposide	Horsfield's	#####	male	CNAB004	rectal swa	CNAB004	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
7	1	CN-Guang	CNAB006	bats	free-rangii	Rhinoloph	Chinese h	#####	female	CNAB006	rectal swa	CNAB006	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
8	1	CN-Guang	CNAB012	bats	wild anima	Taphozou	Unidentifi	#####	female	CNAB012	rectal swa	CNAB012	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
9	1	CN-Guang	CNAB012	bats	wild anima	Taphozou	Unidentifi	#####	female	CNAB012	rectal swa	CNAB012	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
10	1	CN-Guang	CNAB025	bats	free-rangii	Rhinoloph	Chinese h	6/6/2017	male	CNAB025	rectal swa	CNAB025	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
11	1	CN-Yunna	CNAB031	bats	free-rangii	la io	Great eve	#####	female	CNAB031	rectal swa	CNAB031	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
12	1	CN-Yunna	CNAB031	bats	free-rangii	Myotis fim	Fringed lo	#####	female	CNAB031	rectal swa	CNAB031	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
13	1	CN-Yunna	CNAB035	bats	free-rangii	la io	Great eve	#####	female	CNAB035	rectal swa	CNAB035	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
14	1	CN-Yunna	CNAB074	bats	free-rangii	Aselliscus	Stoliczka's	#####	male	CNAB074	rectal swa	CNAB074	#####	2/5/2018	#####	Wuhan Ins	Conventio	Paramyxo
15	1	CN-Guang	CNAB001	bats	free-rangii	Hipposide	Horsfield's	#####	male	CNAB001	oral swab	CNAB001	#####	4/7/2018	#####	Wuhan Ins	Conventio	Paramyxo
16	1	CN-Yunna	CNAB035	bats	free-rangii	la io	Great eve	#####	female	CNAB035	oral swab	CNAB035	#####	4/7/2018	#####	Wuhan Ins	Conventio	Paramyxo
17	1	CN-Yunna	CNAB083	bats	free-rangii	Eonycteris	Cave nect	#####	male	CNAB083	oral swab	CNAB083	#####	4/7/2018	#####	Wuhan Ins	Conventio	Paramyxo
18	15	CN-Yunna	CNAB102	bats	free-rangii	Miniopteru	Schreiber	#####	male	CNAB102	rectal swa	CNAB102	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
19	15	CN-Yunna	CNAB102	bats	free-rangii	Miniopteru	Schreiber	#####	male	CNAB102	rectal swa	CNAB102	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
20	15	CN-Yunna	CNAB104	bats	free-rangii	Miniopteru	Schreiber	#####	male	CNAB104	rectal swa	CNAB104	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
21	15	CN-Yunna	CNAB104	bats	free-rangii	Miniopteru	Schreiber	#####	female	CNAB104	rectal swa	CNAB104	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
22	15	CN-Yunna	CNAB111	bats	free-rangii	Miniopteru	Schreiber	#####	male	CNAB111	rectal swa	CNAB111	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
23	15	CN-Yunna	CNAB111	bats	free-rangii	Miniopteru	Schreiber	#####	male	CNAB111	rectal swa	CNAB111	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
24	15	CN-Yunna	CNAB111	bats	free-rangii	Myotis lan	Chinese V	#####	male	CNAB111	rectal swa	CNAB111	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
25	9	CN-Yunna	CNAB126	bats	free-rangii	Aselliscus	Stoliczka's	#####	female	CNAB126	rectal swa	CNAB126	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
26	7	CN-Yunna	CNAB152	bats	free-rangii	Myotis lan	Chinese V	#####	female	CNAB152	rectal swa	CNAB152	#####	#####	#####	Wuhan Ins	Conventio	Paramyxo
27	1	CN-Guang	CHAR001	rodents/sh	free-rangii	Rattus noi	Norway ra	#####	female	CHAR001	oral swab	CHAR001	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
28	1	CN-Guang	CHAR000	rodents/sh	free-rangii	Rattus noi	Norway ra	#####	female	CHAR000	rectal swa	CHAR000	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
29	1	CN-Guang	CHAR001	rodents/sh	free-rangii	Rattus noi	Norway ra	#####	male	CHAR001	rectal swa	CHAR001	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
30	1	CN-Guang	CHAR002	rodents/sh	free-rangii	Rattus noi	Norway ra	#####	male	CHAR002	rectal swa	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
31	1	CN-Guang	CHAR002	rodents/sh	free-rangii	Rattus noi	Norway ra	#####	male	CHAR002	rectal swa	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
32	7	CN-Guang	CHAR004	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	female	CHAR004	rectal swa	CHAR004	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
33	7	CN-Guang	CHAR004	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	female	CHAR004	rectal swa	CHAR004	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
34	7	CN-Guang	CHAR006	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	female	CHAR006	rectal swa	CHAR006	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
35	1	CN-Guang	CHAR023	rodents/sh	free-rangii	Rattus noi	Norway ra	5/9/2017	female	CHAR023	rectal swa	CHAR023	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
36	1	CN-Guang	CHAR024	rodents/sh	free-rangii	Rattus noi	Norway ra	5/9/2017	male	CHAR024	rectal swa	CHAR024	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
37	1	CN-Guang	CHAR024	rodents/sh	free-rangii	Rattus noi	Norway ra	5/9/2017	male	CHAR024	rectal swa	CHAR024	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
38	1	CN-Guang	CHAR028	rodents/sh	free-rangii	Rattus noi	Norway ra	#####	female	CHAR028	rectal swa	CHAR028	5/1/2018	#####	#####	Institute o	Conventio	Paramyxo
39	7	CN-Guang	CHAR005	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	male	CHAR005	rectal swa	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
40	7	CN-Guang	CHAR007	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	female	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
41	7	CN-Guang	CHAR007	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	male	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
42	7	CN-Guang	CHAR007	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	female	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
43	1	CN-Guang	CHAR023	rodents/sh	free-rangii	Rattus noi	Norway ra	5/9/2017	female	CHAR023	rectal swa	CHAR023	5/1/2018	#####	3/1/2019	Institute o	Conventio	Paramyxo
44	14	CN-Yunna	CNAR036	rodents/sh	free-rangii	Rattus tar	Oriental h	#####	female	CNAR036	rectal swa	CNAR036	1/8/2019	#####	#####	Wuhan Ins	Conventio	Coronavir
45	15	CN-Yunna	CNAB093	bats	free-rangii	Miniopteru	Schreiber	#####	female	CNAB093	oral swab	CNAB093	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
46	15	CN-Yunna	CNAB098	bats	free-rangii	Miniopteru	Schreiber	#####	female	CNAB098	oral swab	CNAB098	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
47	15	CN-Yunna	CNAB099	bats	free-rangii	Miniopteru	Schreiber	#####	female	CNAB099	oral swab	CNAB099	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
48	15	CN-Yunna	CNAB100	bats	free-rangii	Miniopteru	Schreiber	#####	female	CNAB100	oral swab	CNAB100	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
49	15	CN-Yunna	CNAB106	bats	free-rangii	Miniopteru	Schreiber	#####	female	CNAB106	oral swab	CNAB106	#####	#####	#####	Wuhan Ins	Conventio	Coronavir

	AJ	AK	AL	AM	AN	AO	AP	AQ
1	TestRequ	Methodol	TestResu	Confirma	LabName	Confirma	Confirma	Sequence
2	Tong et al, PAR	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TCAGGC	
3	Tong et al, PAR	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TCAGGC	
4	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAATCA	
5	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAAGCAA	
6	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TAATTTA	
7	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GCAATTA	
8	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AACAGAA	
9	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAGGCTA	
10	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAAGCA	
11	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CCAAGCA	
12	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAAGCC	
13	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	ATTCTTA	
14	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAAGCCA	
15	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAAGCA	
16	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCTTCCC	
17	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAGCTTC	
18	Tong et al, PAR	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TCAGGCA	
19	Tong et al, PAR	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TCAGGCC	
20	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAGGCC	
21	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAGGCA	
22	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATAACA	
23	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CCAAGCA	
24	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAAGCA	
25	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAAGCC	
26	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCAGGCT	
27	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GTTCATC	
28	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGGGTTC	
29	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GTTCATC	
30	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGGTC	
31	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TACCTTA	
32	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	ATCAGCT	
33	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAAGCCA	
34	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AACTATG	
35	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAAGCTA	
36	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAAGCTA	
37	Tong et al, PAR	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAAGCTA	
38	Tong et al, PAR	Product fo	Direct Seq	Institute o	#####	Positive	TATACCT	
39	Tong et al, PAR	Product fo	Direct Seq	Institute o	#####	Positive	CACAGCT	
40	Tong et al, PAR	Product fo	Direct Seq	Institute o	#####	Positive	CCTATTA	
41	Tong et al, PAR	Product fo	Direct Seq	Institute o	#####	Positive	CAAGCCA	
42	Tong et al, PAR	Product fo	Direct Seq	Institute o	#####	Positive	CAAGCCA	
43	Tong et al, PAR	Product fo	Direct Seq	Institute o	#####	Positive	CAAGCTA	
44	Quan et al, RdRp ge	Product fo	Direct Seq	Wuhan Ins	3/1/2019	Positive	GTAGATT	
45	Quan et al, RdRp ge	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CGCACAT	
46	Quan et al, RdRp ge	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CGCACAT	
47	Quan et al, RdRp ge	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CGCACAT	
48	Quan et al, RdRp ge	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CGCACAT	
49	Quan et al, RdRp ge	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CGCACAT	

	AS	AT	AU	AV	AW	AX	AY
1	Virus	VirusGro	TestStatu	Governm	DateGovt	Approved	Release
2	PREDICT_PMV-49 PREDICT_PMV-90	PREDICT	Interpreta	CN-001-P	9/14/2017		
3	PREDICT_PMV-49 PREDICT_PMV-90	PREDICT	Interpreta	CN-001-P	9/14/2017		
4	PREDICT_PMV-88	PREDICT	Interpreta	CN-001-P	9/14/2017		
5	PREDICT_PMV-89	PREDICT	Interpreta	CN-001-P	9/14/2017		
6	strain of Bat paramyxovirus isolate BtHp-ParaV/GD2012	Bat param	Interpreta	CN-003-P	8/9/2018		
7	PREDICT_PMV-134	PREDICT	Interpreta	CN-003-P	8/9/2018		
8	PREDICT_PMV-136	PREDICT	Interpreta	CN-003-P	8/9/2018		
9	PREDICT_PMV-49	PREDICT	Interpreta	CN-003-P	8/9/2018		
10	PREDICT_PMV-129	PREDICT	Interpreta	CN-003-P	8/9/2018		
11	PREDICT_PMV-47	PREDICT	Interpreta	CN-003-P	8/9/2018		
12	PREDICT_PMV-130	PREDICT	Interpreta	CN-003-P	8/9/2018		
13	PREDICT_PMV-47	PREDICT	Interpreta	CN-003-P	8/9/2018		
14	PREDICT_PMV-135	PREDICT	Interpreta	CN-003-P	8/9/2018		
15	strain of Bat paramyxovirus isolate BtHp-ParaV/GD2012	Bat param	Interpreta	CN-003-P	8/9/2018		
16	PREDICT_PMV-47	PREDICT	Interpreta	CN-003-P	8/9/2018		
17	PREDICT_PMV-123	PREDICT	Interpreta	CN-003-P	8/9/2018		
18	PREDICT_PMV-157 PREDICT_PMV-158	PREDICT	Interpreta	CN-004-P	8/9/2019		
19	PREDICT_PMV-157 PREDICT_PMV-158	PREDICT	Interpreta	CN-004-P	8/9/2019		
20	PREDICT_PMV-158	PREDICT	Interpreta	CN-004-P	8/9/2019		
21	PREDICT_PMV-157	PREDICT	Interpreta	CN-004-P	8/9/2019		
22	PREDICT_PMV-162	PREDICT	Interpreta	CN-004-P	8/9/2019		
23	Bat Paramyxovirus/B16-40	Bat Param	Interpreta	CN-004-P	8/9/2019		
24	PREDICT_PMV-166	PREDICT	Interpreta	CN-004-P	8/9/2019		
25	PREDICT_PMV-164	PREDICT	Interpreta	CN-004-P	8/9/2019		
26	PREDICT_PMV-165	PREDICT	Interpreta	CN-004-P	8/9/2019		
27	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
28	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
29	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
30	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
31	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
32	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
33	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
34	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
35	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
36	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
37	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
38	strain of Beilong virus	Beilong vi	Interpreta	CN-004-P	8/9/2019		
39	strain of Beilong virus	Beilong vi	Interpreta	CN-006-P	NULL		
40	strain of Beilong virus	Beilong vi	Interpreta	CN-006-P	NULL		
41	strain of Beilong virus	Beilong vi	Interpreta	CN-006-P	NULL		
42	strain of Beilong virus	Beilong vi	Interpreta	CN-006-P	NULL		
43	strain of Beilong virus	Beilong vi	Interpreta	CN-006-P	NULL		
44	strain of Murine coronavirus	Murine co	Interpreta	CN-004-P	8/9/2019		
45	strain of Bat Coronavirus 1	Bat corona	Interpreta	CN-004-P	8/9/2019		
46	strain of Bat Coronavirus 1	Bat corona	Interpreta	CN-004-P	8/9/2019		
47	strain of Bat Coronavirus 1	Bat corona	Interpreta	CN-004-P	8/9/2019		
48	strain of Bat Coronavirus 1	Bat corona	Interpreta	CN-004-P	8/9/2019		
49	strain of Bat Coronavirus 1	Bat corona	Interpreta	CN-004-P	8/9/2019		

[illegible]

[illegible]

[illegible]

[illegible]

	AS	AT	AU	AV	AW	AX	AY
99	Bat Coronavirus RS4125/4259	Bat Coron	Interpretat	CN-004-P	8/9/2019		
100	strain of Bat coronavirus HKU2	Bat coron	Interpretat	CN-004-P	8/9/2019		
101	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-004-P	8/9/2019		
102	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
103	strain of Rhinolophus/Hipposideros Alphacoronavirus	Rhinoloph	Interpretat	CN-004-P	8/9/2019		
104	strain of Bat coronavirus HKU2	Bat coron	Interpretat	CN-004-P	8/9/2019		
105	strain of Bat coronavirus HKU2	Bat coron	Interpretat	CN-004-P	8/9/2019		
106	strain of Bat coronavirus HKU2	Bat coron	Interpretat	CN-004-P	8/9/2019		
107	strain of Bat coronavirus HKU2	Bat coron	Interpretat	CN-004-P	8/9/2019		
108	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
109	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
110	strain of Bat Coronavirus HKU10	Bat coron	Interpretat	CN-004-P	8/9/2019		
111	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
112	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
113	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
114	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
115	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
116	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
117	strain of Myotis alphacoronavirus	Myotis alp	Interpretat	CN-004-P	8/9/2019		
118	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
119	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
120	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
121	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
122	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
123	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
124	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
125	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
126	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
127	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
128	strain of Bat coronavirus HKU9	Bat coron	Interpretat	CN-004-P	8/9/2019		
129	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
130	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
131	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
132	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
133	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
134	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
135	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
136	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
137	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
138	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
139	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
140	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
141	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
142	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
143	strain of Lonquan Aa mouse coronavirus	Lonquan A	Interpretat	CN-004-P	8/9/2019		
144	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
145	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
146	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
147	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
148	7	CN-Guan	CHAR007	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	male	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
149	7	CN-Guan	CHAR008	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	male	CHAR008	oral swab	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
150	7	CN-Guan	CHAR008	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	male	CHAR008	oral swab	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
151	7	CN-Guan	CHAR005	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	male	CHAR005	rectal swa	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
152	7	CN-Guan	CHAR005	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	female	CHAR005	rectal swa	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
153	7	CN-Guan	CHAR007	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	female	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
154	7	CN-Guan	CHAR007	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	female	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
155	7	CN-Guan	CHAR007	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	male	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
156	7	CN-Guan	CHAR007	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	male	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
157	7	CN-Guan	CHAR008	rodents/sf	free-rangi	Rattus noi	Norway ra	3/7/2017	female	CHAR008	rectal swa	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
158	1	CN-Guan	CHAR030	rodents/sf	free-rangi	Rattus noi	Norway ra	#####	female	CHAR030	oral swab	CHAR030	6/1/2018	#####	#####	Institute o	Conventio	Coronavir
159	1	CN-Guan	CHAR029	rodents/sf	free-rangi	Rattus noi	Norway ra	#####	female	CHAR029	rectal swa	CHAR029	6/1/2018	#####	#####	Institute o	Conventio	Coronavir
160	1	CN-Yunna	CNAB085	bats	free-rangi	Rousettus	Leschena	#####	female	CNAB085	rectal swa	CNAB085	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
161	1	CN-Yunna	CNAB085	bats	free-rangi	Eonycteris	Cave nect	#####	female	CNAB085	rectal swa	CNAB085	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
162	1	CN-Yunna	CNAB086	bats	free-rangi	Rousettus	Leschena	#####	female	CNAB086	rectal swa	CNAB086	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
163	1	CN-Yunna	CNAB086	bats	free-rangi	Rousettus	Leschena	#####	female	CNAB086	rectal swa	CNAB086	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
164	1	CN-Guan	CNAB087	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	male	CNAB087	rectal swa	CNAB087	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
165	1	CN-Guan	CNAB087	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB087	rectal swa	CNAB087	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
166	1	CN-Guan	CNAB087	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB087	rectal swa	CNAB087	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
167	1	CN-Guan	CNAB088	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	male	CNAB088	rectal swa	CNAB088	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
168	1	CN-Guan	CNAB088	bats	free-rangi	Rhinolph	Intermedia	9/9/2017	male	CNAB088	rectal swa	CNAB088	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
169	1	CN-Guan	CNAB088	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB088	rectal swa	CNAB088	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
170	1	CN-Guan	CNAB088	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB088	rectal swa	CNAB088	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
171	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	male	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
172	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	male	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
173	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
174	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
175	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
176	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Intermedia	9/9/2017	male	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
177	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
178	1	CN-Guan	CNAB089	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB089	rectal swa	CNAB089	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
179	1	CN-Guan	CNAB090	bats	free-rangi	Rhinolph	Intermedia	9/9/2017	female	CNAB090	rectal swa	CNAB090	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
180	1	CN-Guan	CNAB090	bats	free-rangi	Rhinolph	Intermedia	9/9/2017	female	CNAB090	rectal swa	CNAB090	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
181	1	CN-Guan	CNAB091	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	female	CNAB091	rectal swa	CNAB091	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
182	1	CN-Guan	CNAB091	bats	free-rangi	Rhinolph	Chinese h	9/9/2017	male	CNAB091	rectal swa	CNAB091	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
183	1	CN-Yunna	CNAB080	bats	free-rangi	Eonycteris	Cave nect	#####	male	CNAB080	rectal swa	CNAB080	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
184	1	CN-Yunna	CNAB080	bats	free-rangi	Rousettus	Leschena	#####	male	CNAB080	rectal swa	CNAB080	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
185	1	CN-Yunna	CNAB080	bats	free-rangi	Eonycteris	Cave nect	#####	female	CNAB080	rectal swa	CNAB080	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
186	1	CN-Yunna	CNAB081	bats	free-rangi	Eonycteris	Cave nect	#####	male	CNAB081	rectal swa	CNAB081	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
187	1	CN-Yunna	CNAB081	bats	free-rangi	Eonycteris	Cave nect	#####	female	CNAB081	rectal swa	CNAB081	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
188	1	CN-Yunna	CNAB082	bats	free-rangi	Eonycteris	Cave nect	#####	male	CNAB082	rectal swa	CNAB082	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
189	1	CN-Yunna	CNAB082	bats	free-rangi	Eonycteris	Cave nect	#####	female	CNAB082	rectal swa	CNAB082	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
190	1	CN-Yunna	CNAB083	bats	free-rangi	Eonycteris	Cave nect	#####	male	CNAB083	rectal swa	CNAB083	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
191	1	CN-Yunna	CNAB083	bats	free-rangi	Eonycteris	Cave nect	#####	male	CNAB083	rectal swa	CNAB083	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
192	1	CN-Yunna	CNAB083	bats	free-rangi	Eonycteris	Cave nect	#####	male	CNAB083	rectal swa	CNAB083	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
193	1	CN-Yunna	CNAB083	bats	free-rangi	Eonycteris	Cave nect	#####	female	CNAB083	rectal swa	CNAB083	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
194	1	CN-Yunna	CNAB083	bats	free-rangi	Eonycteris	Cave nect	#####	female	CNAB083	rectal swa	CNAB083	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
195	1	CN-Yunna	CNAB084	bats	free-rangi	Rousettus	Leschena	#####	male	CNAB084	rectal swa	CNAB084	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
196	1	CN-Yunna	CNAB085	bats	free-rangi	Rousettus	Leschena	#####	female	CNAB085	rectal swa	CNAB085	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir

	AJ	AK	AL	AM	AN	AO	AP	AQ
148	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTTAC	
149	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TCAGAGC	
150	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTTAC	
151	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTTAC	
152	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTTAC	
153	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TCAGAGC	
154	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TCAGAGC	
155	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TACACAT	
156	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTTAC	
157	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTTAC	
158	Quan et al, RdRp ge	Product fo	Direct Sec	Institute of	#####	Positive	TCAGATC	
159	Quan et al, RdRp ge	Product fo	Direct Sec	Institute of	#####	Positive	TACACAT	
160	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAC	
161	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
162	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
163	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAT	
164	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
165	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATGTACA	
166	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
167	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
168	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
169	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
170	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAT	
171	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
172	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAT	
173	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
174	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TACACAC	
175	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAT	
176	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
177	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
178	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGATGCC	
179	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	CACGCA	
180	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
181	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
182	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
183	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
184	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAT	
185	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
186	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
187	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAC	
188	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
189	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
190	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
191	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	CAAACAT	
192	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
193	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
194	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
195	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CAAACAT	
196	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	

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	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
197	1	CN-Yunna	CNAB075	bats	free-rangii	Rhinoloph	Intermedia	#####	female	CNAB075	rectal swa	CNAB075	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
198	1	CN-Yunna	CNAB075	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB075	rectal swa	CNAB075	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
199	1	CN-Yunna	CNAB075	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB075	rectal swa	CNAB075	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
200	1	CN-Yunna	CNAB075	bats	free-rangii	Rhinoloph	Intermedia	#####	female	CNAB075	rectal swa	CNAB075	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
201	1	CN-Yunna	CNAB076	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB076	rectal swa	CNAB076	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
202	1	CN-Yunna	CNAB076	bats	free-rangii	Aselliscus	Stoliczka's	#####	male	CNAB076	rectal swa	CNAB076	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
203	1	CN-Yunna	CNAB076	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB076	rectal swa	CNAB076	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
204	1	CN-Yunna	CNAB076	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB076	rectal swa	CNAB076	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
205	1	CN-Yunna	CNAB076	bats	free-rangii	Rhinoloph	Intermedia	#####	female	CNAB076	rectal swa	CNAB076	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
206	1	CN-Yunna	CNAB076	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB076	rectal swa	CNAB076	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
207	1	CN-Yunna	CNAB077	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB077	rectal swa	CNAB077	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
208	1	CN-Yunna	CNAB078	bats	free-rangii	Aselliscus	Stoliczka's	#####	male	CNAB078	rectal swa	CNAB078	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
209	1	CN-Yunna	CNAB078	bats	free-rangii	Eonycteris	Cave nect	#####	male	CNAB078	rectal swa	CNAB078	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
210	1	CN-Yunna	CNAB078	bats	free-rangii	Eonycteris	Cave nect	#####	female	CNAB078	rectal swa	CNAB078	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
211	1	CN-Yunna	CNAB079	bats	free-rangii	Rousettus	Leschena	#####	female	CNAB079	rectal swa	CNAB079	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
212	1	CN-Yunna	CNAB079	bats	free-rangii	Eonycteris	Cave nect	#####	female	CNAB079	rectal swa	CNAB079	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
213	1	CN-Yunna	CNAB079	bats	free-rangii	Eonycteris	Cave nect	#####	female	CNAB079	rectal swa	CNAB079	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
214	1	CN-Yunna	CNAB070	bats	free-rangii	Rousettus	Leschena	#####	female	CNAB070	rectal swa	CNAB070	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
215	1	CN-Yunna	CNAB072	bats	free-rangii	Myotis ric	Rickett's b	#####	male	CNAB072	rectal swa	CNAB072	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
216	1	CN-Yunna	CNAB073	bats	free-rangii	Rhinoloph	Chinese h	#####	male	CNAB073	rectal swa	CNAB073	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
217	1	CN-Yunna	CNAB073	bats	free-rangii	Rhinoloph	Intermedia	#####	female	CNAB073	rectal swa	CNAB073	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
218	1	CN-Yunna	CNAB073	bats	free-rangii	Myotis da	Daubenton	#####	male	CNAB073	rectal swa	CNAB073	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
219	1	CN-Yunna	CNAB073	bats	free-rangii	Rhinoloph	Intermedia	#####	female	CNAB073	rectal swa	CNAB073	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
220	1	CN-Yunna	CNAB073	bats	free-rangii	Rhinoloph	Chinese h	#####	male	CNAB073	rectal swa	CNAB073	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
221	1	CN-Yunna	CNAB074	bats	free-rangii	Rhinoloph	Intermedia	#####	male	CNAB074	rectal swa	CNAB074	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
222	1	CN-Yunna	CNAB074	bats	free-rangii	Rhinoloph	Chinese h	#####	female	CNAB074	rectal swa	CNAB074	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
223	1	CN-Guang	CNAB060	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB060	rectal swa	CNAB060	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
224	1	CN-Guang	CNAB060	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB060	rectal swa	CNAB060	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
225	1	CN-Guang	CNAB060	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB060	rectal swa	CNAB060	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
226	1	CN-Guang	CNAB060	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB060	rectal swa	CNAB060	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
227	1	CN-Guang	CNAB061	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB061	rectal swa	CNAB061	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
228	1	CN-Guang	CNAB061	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB061	rectal swa	CNAB061	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
229	1	CN-Guang	CNAB062	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB062	rectal swa	CNAB062	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
230	1	CN-Guang	CNAB062	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
231	1	CN-Guang	CNAB062	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
232	1	CN-Guang	CNAB062	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
233	1	CN-Guang	CNAB062	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
234	1	CN-Guang	CNAB063	bats	free-rangii	Hipposide	Horsfield's	8/4/2017	female	CNAB063	rectal swa	CNAB063	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
235	1	CN-Guang	CNAB063	bats	free-rangii	Rhinoloph	Chinese h	8/4/2017	female	CNAB063	rectal swa	CNAB063	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
236	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
237	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
238	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
239	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
240	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
241	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
242	1	CN-Guang	CNAB058	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	male	CNAB058	rectal swa	CNAB058	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
243	1	CN-Guang	CNAB059	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
244	1	CN-Guang	CNAB059	bats	free-rangii	Rhinoloph	Least hors	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
245	1	CN-Guang	CNAB059	bats	free-rangii	Myotis sili	Himalayan	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir

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	AS	AT	AU	AV	AW	AX	AY
197	strain of Rhinolophus/Hipposideros Alphacoronavirus	Rhinoloph	Interpretat	CN-004-P	8/9/2019		
198	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
199	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
200	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
201	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
202	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
203	strain of Bat coronavirus HKU2 strain of Rhinolophus/Hipposideros Alphacoro	Bat corona	Interpretat	CN-004-P	8/9/2019		
204	strain of Bat coronavirus HKU2 strain of Rhinolophus/Hipposideros Alphacoro	Rhinoloph	Interpretat	CN-004-P	8/9/2019		
205	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
206	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
207	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
208	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
209	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
210	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
211	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-004-P	8/9/2019		
212	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
213	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
214	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-004-P	8/9/2019		
215	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
216	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-004-P	8/9/2019		
217	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
218	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
219	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
220	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
221	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
222	Bat Coronavirus RS3376	Bat Coron	Interpretat	CN-004-P	8/9/2019		
223	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
224	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
225	PREDICT_CoV-108	PREDICT	Interpretat	CN-004-P	8/9/2019		
226	PREDICT_CoV-108	PREDICT	Interpretat	CN-004-P	8/9/2019		
227	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
228	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
229	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
230	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
231	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
232	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
233	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
234	PREDICT_CoV-53	PREDICT	Interpretat	CN-004-P	8/9/2019		
235	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
236	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
237	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
238	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
239	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
240	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
241	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
242	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
243	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
244	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
245	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		

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	AS	AT	AU	AV	AW	AX	AY
246	PREDICT_CoV-108	PREDICT	Interpretat	CN-004-P	8/9/2019		
247	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
248	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
249	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
250	PREDICT_CoV-108	PREDICT	Interpretat	CN-004-P	8/9/2019		
251	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
252	strain of Bat Coronavirus Anlong 57/43	Bat Coron	Interpretat	CN-004-P	8/9/2019		
253	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
254	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
255	PREDICT_CoV-108 strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
256	PREDICT_CoV-108 strain of Bat coronavirus HKU2	PREDICT	Interpretat	CN-004-P	8/9/2019		
257	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
258	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
259	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
260	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
261	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
262	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
263	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
264	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
265	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
266	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
267	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
268	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
269	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
270	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
271	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
272	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
273	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
274	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
275	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
276	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
277	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
278	PREDICT_CoV-107 strain of Bat coronavirus 512/2005	PREDICT	Interpretat	CN-004-P	8/9/2019		
279	PREDICT_CoV-107 strain of Bat coronavirus 512/2005	Bat corona	Interpretat	CN-004-P	8/9/2019		
280	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
281	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
282	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
283	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
284	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
285	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
286	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
287	PREDICT_CoV-107 strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
288	PREDICT_CoV-107 strain of bat coronavirus HKU6	PREDICT	Interpretat	CN-004-P	8/9/2019		
289	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
290	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
291	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
292	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
293	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
294	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
295	1	CN-Yunna	CNAB034	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB034	rectal swa	CNAB034	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
296	1	CN-Yunna	CNAB034	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB034	rectal swa	CNAB034	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
297	1	CN-Yunna	CNAB034	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB034	rectal swa	CNAB034	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
298	1	CN-Yunna	CNAB034	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB034	rectal swa	CNAB034	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
299	1	CN-Yunna	CNAB034	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB034	rectal swa	CNAB034	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
300	1	CN-Yunna	CNAB035	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB035	rectal swa	CNAB035	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
301	1	CN-Yunna	CNAB035	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB035	rectal swa	CNAB035	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
302	1	CN-Yunna	CNAB035	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB035	rectal swa	CNAB035	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
303	1	CN-Yunna	CNAB035	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB035	rectal swa	CNAB035	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
304	1	CN-Guan	CNAB025	bats	free-rang	Rhinoloph	Chinese h	6/6/2017	male	CNAB025	rectal swa	CNAB025	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
305	1	CN-Guan	CNAB026	bats	free-rang	Rhinoloph	Intermedia	6/6/2017	male	CNAB026	rectal swa	CNAB026	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
306	1	CN-Yunna	CNAB028	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB028	rectal swa	CNAB028	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
307	1	CN-Yunna	CNAB028	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB028	rectal swa	CNAB028	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
308	1	CN-Yunna	CNAB028	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB028	rectal swa	CNAB028	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
309	1	CN-Yunna	CNAB028	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB028	rectal swa	CNAB028	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
310	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
311	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
312	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
313	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
314	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
315	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
316	1	CN-Yunna	CNAB029	bats	free-rang	Myotis ric	Rickett's b	#####	female	CNAB029	rectal swa	CNAB029	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
317	1	CN-Guan	CNAB002	bats	free-rang	Hipposide	Horsfield's	#####	female	CNAB002	rectal swa	CNAB002	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
318	1	CN-Guan	CNAB002	bats	free-rang	Hipposide	Horsfield's	#####	male	CNAB002	rectal swa	CNAB002	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
319	1	CN-Guan	CNAB005	bats	free-rang	Rhinoloph	Chinese h	#####	female	CNAB005	rectal swa	CNAB005	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
320	1	CN-Guan	CNAB005	bats	free-rang	Rhinoloph	Chinese h	#####	female	CNAB005	rectal swa	CNAB005	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
321	1	CN-Guan	CNAB005	bats	free-rang	Rhinoloph	Chinese h	#####	female	CNAB005	rectal swa	CNAB005	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
322	1	CN-Guan	CNAB005	bats	free-rang	Rhinoloph	Chinese h	#####	female	CNAB005	rectal swa	CNAB005	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
323	1	CN-Guan	CNAB005	bats	free-rang	Rhinoloph	Chinese h	#####	female	CNAB005	rectal swa	CNAB005	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
324	1	CN-Guan	CNAB006	bats	free-rang	Rhinoloph	Chinese h	#####	female	CNAB006	rectal swa	CNAB006	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
325	1	CN-Guan	CNAB011	bats	free-rang	Myotis sili	Himalayan	#####	female	CNAB011	rectal swa	CNAB011	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
326	1	CN-Guan	161958	bats	free-rang	Miniopter	Small long	8/8/2016	male	161958-2	rectal swa	161958-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
327	1	CN-Guan	161984	bats	free-rang	Miniopter	Small long	8/8/2016	female	161984-2	rectal swa	161984-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
328	1	CN-Guan	161985	bats	free-rang	Miniopter	Small long	8/8/2016	male	161985-2	rectal swa	161985-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
329	1	CN-Guan	162024	bats	free-rang	Miniopter	Small long	8/8/2016	male	162024-2	rectal swa	162024-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
330	1	CN-Guan	162033	bats	free-rang	Miniopter	Small long	8/8/2016	male	162033-2	rectal swa	162033-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
331	1	CN-Guan	162035	bats	free-rang	Miniopter	Small long	8/8/2016	female	162035-2	rectal swa	162035-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
332	1	CN-Guan	162037	bats	free-rang	Miniopter	Schreiber	8/8/2016	female	162037-2	rectal swa	162037-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
333	1	CN-Guan	162057	bats	free-rang	Miniopter	Small long	8/8/2016	male	162057-2	rectal swa	162057-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
334	1	CN-Guan	162058	bats	free-rang	Miniopter	Small long	8/8/2016	male	162058-2	rectal swa	162058-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
335	1	CN-Guan	162059	bats	free-rang	Miniopter	Small long	8/8/2016	male	162059-2	rectal swa	162059-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
336	1	CN-Guan	162060	bats	free-rang	Miniopter	Small long	8/8/2016	female	162060-2	rectal swa	162060-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
337	1	CN-Guan	162061	bats	free-rang	Miniopter	Schreiber	8/8/2016	female	162061-2	rectal swa	162061-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
338	1	CN-Guan	162064	bats	free-rang	Miniopter	Small long	8/8/2016	male	162064-2	rectal swa	162064-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
339	1	CN-Guan	161226	bats	free-rang	Miniopter	Schreiber	#####	female	161226-2	rectal swa	161226-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
340	1	CN-Guan	161227	bats	free-rang	Miniopter	Schreiber	#####	male	161227-2	rectal swa	161227-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
341	1	CN-Guan	161230	bats	free-rang	Miniopter	Small long	#####	male	161230-2	rectal swa	161230-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
342	1	CN-Guan	161233	bats	free-rang	Miniopter	Schreiber	#####	male	161233-2	rectal swa	161233-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir
343	1	CN-Guan	161234	bats	free-rang	Miniopter	Schreiber	#####	male	161234-2	rectal swa	161234-20	#####	3/1/2019	4/1/2019	Wuhan In	Conventio	Coronavir

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
344	P2	8358	755498	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.7185	113.735	23.7185	113.735	6/27/2016	Wet
345	P2	8359	755500	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.7185	113.735	23.7185	113.735	6/27/2016	Wet
346	P2	8360	755514	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
347	P2	8361	755515	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
348	P2	8362	755516	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
349	P2	8363	755518	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
350	P2	8364	755519	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
351	P2	8365	755520	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
352	P2	8366	755522	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
353	P2	8367	755526	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
354	P2	8368	755526	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
355	P2	8369	755536	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
356	P2	8370	755541	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
357	P2	8371	755544	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
358	P2	8372	755548	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
359	P2	8373	755568	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
360	P2	8374	755574	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
361	P2	8375	755638	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	6/26/2016	Wet
362	P2	8376	755639	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	6/26/2016	Wet
363	P2	8377	755641	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	6/26/2016	Wet
364	P2	8378	755642	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	6/26/2016	Wet
365	P2	8379	755643	China	EcoHealth	CN-P2 Ba	no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	6/26/2016	Wet
366	P2	8380	755646	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
367	P2	8381	755647	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
368	P2	8382	755652	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
369	P2	8383	755672	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Concurrer	Yunnan	Yunnan	22.4319	100.669	22.4319	100.669	5/25/2016	Wet
370	P2	8384	755765	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
371	P2	8385	755766	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
372	P2	8386	755767	China	EcoHealth	CN-P2 Ba	no	Guangxi-C	Independ	Guangxi Z	Guang Xi	25.2806	110.358	25.2835	110.358	6/21/2016	Wet
373	P2	8387	755803	China	EcoHealth	CN-P2 Ba	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	5/19/2016	Wet
374	P2	8388	755898	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
375	P2	8389	755899	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
376	P2	8390	755900	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
377	P2	8391	755901	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
378	P2	8392	755902	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
379	P2	8393	755903	China	EcoHealth	CN-P2 Ba	no	Yunnan-X	Independ	Yunnan	Yunnan	21.7813	101.519	21.7813	101.519	5/24/2016	Wet
380	P2	9543	712308	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangzhc	Guangdor	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
381	P2	9544	712647	China	EcoHealth	CN-P2Y3	no	Guangdor	Independ	Guangdor	Guangdor	23.1576	113.209	23.1576	113.209	5/9/2017	Wet
382	P2	1487	41957	China	EcoHealth	CN-Bats	(no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	5/19/2016	Wet
383	P2	1488	41967	China	EcoHealth	CN-Bats	(no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	5/19/2016	Wet
384	P2	1489	42123	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
385	P2	1490	42125	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
386	P2	1491	42127	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
387	P2	1492	42131	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
388	P2	1493	42133	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
389	P2	1494	42135	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
390	P2	1495	42139	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
391	P2	1496	42143	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet
392	P2	1497	42195	China	EcoHealth	CN-Bats	(no	Guangdor	Independ	Guangdor	Guangdor	23.3791	113.833	23.3791	113.833	8/8/2016	Wet

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
344	1	CN-Guang	161244	bats	free-rangii	Rhinoloph	Intermedia	#####	male	161244-2	rectal swa	161244-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
345	1	CN-Guang	161246	bats	free-rangii	Rhinoloph	Intermedia	#####	female	161246-2	rectal swa	161246-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
346	1	CN-Guang	161948	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161948-2	rectal swa	161948-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
347	1	CN-Guang	161949	bats	free-rangii	Miniopteru	Schreiber	8/8/2016	male	161949-2	rectal swa	161949-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
348	1	CN-Guang	161950	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161950-2	rectal swa	161950-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
349	1	CN-Guang	161952	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161952-2	rectal swa	161952-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
350	1	CN-Guang	161953	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161953-2	rectal swa	161953-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
351	1	CN-Guang	161954	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161954-2	rectal swa	161954-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
352	1	CN-Guang	161956	bats	free-rangii	Miniopteru	Small long	8/8/2016	female	161956-2	rectal swa	161956-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
353	1	CN-Guang	160893	bats	free-rangii	Rhinoloph	Least hors	#####	male	160893-2	rectal swa	160893-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
354	1	CN-Guang	160893	bats	free-rangii	Rhinoloph	Least hors	#####	male	160893-2	rectal swa	160893-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
355	1	CN-Guang	160903	bats	free-rangii	Rhinoloph	Least hors	#####	male	160903-2	rectal swa	160903-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
356	1	CN-Guang	160908	bats	free-rangii	Rhinoloph	Least hors	#####	male	160908-2	rectal swa	160908-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
357	1	CN-Guang	160911	bats	free-rangii	Rhinoloph	Least hors	#####	female	160911-2	rectal swa	160911-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
358	1	CN-Guang	160915	bats	free-rangii	Rhinoloph	Least hors	#####	female	160915-2	rectal swa	160915-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
359	1	CN-Guang	160935	bats	free-rangii	Hipposide	Large-ear	#####	female	160935-2	rectal swa	160935-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
360	1	CN-Guang	160941	bats	free-rangii	Hipposide	Large-ear	#####	female	160941-2	rectal swa	160941-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
361	1	CN-Guang	161211	bats	free-rangii	Miniopteru	Schreiber	#####	male	161211-2	rectal swa	161211-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
362	1	CN-Guang	161212	bats	free-rangii	Miniopteru	Schreiber	#####	male	161212-2	rectal swa	161212-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
363	1	CN-Guang	161214	bats	free-rangii	Miniopteru	Schreiber	#####	male	161214-2	rectal swa	161214-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
364	1	CN-Guang	161215	bats	free-rangii	Miniopteru	Schreiber	#####	male	161215-2	rectal swa	161215-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
365	1	CN-Guang	161216	bats	free-rangii	Miniopteru	Schreiber	#####	female	161216-2	rectal swa	161216-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
366	1	CN-Yunnan	160768	bats	free-rangii	Eonycteris	Cave nect	#####	female	160768-2	rectal swa	160768-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
367	1	CN-Yunnan	160769	bats	free-rangii	Eonycteris	Cave nect	#####	female	160769-2	rectal swa	160769-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
368	1	CN-Yunnan	160774	bats	free-rangii	Eonycteris	Cave nect	#####	male	160774-2	rectal swa	160774-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
369	1	CN-Yunnan	160794	bats	free-rangii	Rhinoloph	Intermedia	#####	male	160794-1	rectal swa	160794-1	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
370	1	CN-Guang	160887	bats	free-rangii	Rhinoloph	Least hors	#####	male	160887-2	rectal swa	160887-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
371	1	CN-Guang	160888	bats	free-rangii	Rhinoloph	Least hors	#####	female	160888-2	rectal swa	160888-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
372	1	CN-Guang	160889	bats	free-rangii	Rhinoloph	Least hors	#####	male	160889-2	rectal swa	160889-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
373	1	CN-Yunnan	160665	bats	free-rangii	Rhinoloph	Intermedia	#####	female	160665-2	rectal swa	160665-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
374	1	CN-Yunnan	160760	bats	free-rangii	Eonycteris	Cave nect	#####	female	160760-2	rectal swa	160760-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
375	1	CN-Yunnan	160761	bats	free-rangii	Eonycteris	Cave nect	#####	female	160761-2	rectal swa	160761-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
376	1	CN-Yunnan	160762	bats	free-rangii	Eonycteris	Cave nect	#####	female	160762-2	rectal swa	160762-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
377	1	CN-Yunnan	160763	bats	free-rangii	Eonycteris	Cave nect	#####	female	160763-2	rectal swa	160763-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
378	1	CN-Yunnan	160764	bats	free-rangii	Eonycteris	Cave nect	#####	female	160764-2	rectal swa	160764-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
379	1	CN-Yunnan	160765	bats	free-rangii	Eonycteris	Cave nect	#####	male	160765-2	rectal swa	160765-2	#####	3/1/2019	4/1/2019	Wuhan Ins	Conventio	Coronavir
380	7	CN-Guang	CHAR008	rodents/sh	free-rangii	Rattus noi	Norway ra	3/7/2017	female	CHAR008	rectal swa	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
381	1	CN-Guang	CHAR023	rodents/sh	free-rangii	Rattus noi	Norway ra	5/9/2017	male	CHAR023	rectal swa	CHAR023	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
382	1	CN-Yunnan	160660	bats	free-rangii	Rhinoloph	Chinese h	#####	male	160660-2	rectal swa	160660-2	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
383	1	CN-Yunnan	160665	bats	free-rangii	Rhinoloph	Intermedia	#####	female	160665-2	rectal swa	160665-2	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
384	1	CN-Guang	161948	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161948-2	rectal swa	161948-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
385	1	CN-Guang	161949	bats	free-rangii	Miniopteru	Schreiber	8/8/2016	male	161949-2	rectal swa	161949-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
386	1	CN-Guang	161950	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161950-2	rectal swa	161950-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
387	1	CN-Guang	161952	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161952-2	rectal swa	161952-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
388	1	CN-Guang	161953	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161953-2	rectal swa	161953-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
389	1	CN-Guang	161954	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161954-2	rectal swa	161954-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
390	1	CN-Guang	161956	bats	free-rangii	Miniopteru	Small long	8/8/2016	female	161956-2	rectal swa	161956-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
391	1	CN-Guang	161958	bats	free-rangii	Miniopteru	Small long	8/8/2016	male	161958-2	rectal swa	161958-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
392	1	CN-Guang	161984	bats	free-rangii	Miniopteru	Small long	8/8/2016	female	161984-2	rectal swa	161984-2	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir

	AJ	AK	AL	AM	AN	AO	AP	AQ
344	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
345	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	CACACAC	
346	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
347	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
348	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
349	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
350	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
351	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
352	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
353	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	CGCACAC	
354	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	CACACAC	
355	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
356	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
357	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TACCTTT	
358	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
359	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
360	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
361	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CATGGAC	
362	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
363	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAT	
364	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
365	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
366	Quan et al, RdRp ge	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TAAACAC	
367	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
368	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
369	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAT	
370	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGCACAC	
371	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
372	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACACAC	
373	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAT	
374	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
375	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
376	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
377	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
378	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAACAC	
379	Quan et al, RdRp ge	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GTAAGGC	
380	Quan et al, RdRp ge	Product fo	Direct Sec	Institute o	#####	Positive	CTCTTAC	
381	Quan et al, RdRp ge	Product fo	Direct Sec	Institute o	#####	Positive	CTCTTAC	
382	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATC	
383	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCCA	
384	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
385	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
386	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
387	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
388	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
389	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
390	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
391	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
392	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCC	

[illegible]

	AS	AT	AU	AV	AW	AX	AY
344	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
345	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
346	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
347	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
348	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
349	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
350	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
351	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
352	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
353	PREDICT_CoV-108 strain of Bat coronavirus HKU2	PREDICT	Interpretat	CN-004-P	8/9/2019		
354	PREDICT_CoV-108 strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
355	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
356	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
357	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
358	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
359	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-004-P	8/9/2019		
360	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-004-P	8/9/2019		
361	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
362	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
363	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
364	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
365	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
366	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
367	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
368	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
369	strain of Rhinolophus/Hipposideros Alphacoronavirus	Rhinoloph	Interpretat	CN-004-P	8/9/2019		
370	PREDICT_CoV-108	PREDICT	Interpretat	CN-004-P	8/9/2019		
371	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
372	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
373	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-004-P	8/9/2019		
374	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
375	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
376	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
377	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
378	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
379	Rousettus Bat Coronavirus GCCDC1/346/356	Rousettus	Interpretat	CN-004-P	8/9/2019		
380	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-006-P	NULL		
381	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-006-P	NULL		
382	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-001-P	9/14/2017		
383	strain of SARS-related betacoronavirus RsSHC014	SARS-rela	Interpretat	CN-001-P	9/14/2017		
384	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
385	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
386	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
387	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
388	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
389	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
390	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
391	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
392	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
393	1	CN-Guang	161985	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	161985-2	rectal swa	161985-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
394	1	CN-Guang	162024	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162024-2	rectal swa	162024-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
395	1	CN-Guang	162033	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162033-2	rectal swa	162033-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
396	1	CN-Guang	162035	bats	free-rangii	Miniopterus	Small long	8/8/2016	female	162035-2	rectal swa	162035-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
397	1	CN-Guang	162037	bats	free-rangii	Miniopterus	Schreiber	8/8/2016	female	162037-2	rectal swa	162037-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
398	1	CN-Guang	162057	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162057-2	rectal swa	162057-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
399	1	CN-Guang	162058	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162058-2	rectal swa	162058-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
400	1	CN-Guang	162059	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162059-2	rectal swa	162059-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
401	1	CN-Guang	162060	bats	free-rangii	Miniopterus	Small long	8/8/2016	female	162060-2	rectal swa	162060-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
402	1	CN-Guang	162061	bats	free-rangii	Miniopterus	Schreiber	8/8/2016	female	162061-2	rectal swa	162061-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
403	1	CN-Guang	162062	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162062-2	rectal swa	162062-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
404	1	CN-Guang	162064	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162064-2	rectal swa	162064-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
405	1	CN-Guang	162065	bats	free-rangii	Miniopterus	Small long	8/8/2016	male	162065-2	rectal swa	162065-20	#####	1/4/2017	1/7/2017	Wuhan Ins	Conventio	Coronavir
406	1	CN-Guang	160887	bats	free-rangii	Rhinoloph	Least hors	#####	male	160887-2	rectal swa	160887-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
407	1	CN-Guang	160888	bats	free-rangii	Rhinoloph	Least hors	#####	female	160888-2	rectal swa	160888-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
408	1	CN-Guang	160889	bats	free-rangii	Rhinoloph	Least hors	#####	male	160889-2	rectal swa	160889-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
409	1	CN-Guang	160893	bats	free-rangii	Rhinoloph	Least hors	#####	male	160893-2	rectal swa	160893-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
410	1	CN-Guang	160903	bats	free-rangii	Rhinoloph	Least hors	#####	male	160903-2	rectal swa	160903-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
411	1	CN-Guang	160908	bats	free-rangii	Rhinoloph	Least hors	#####	male	160908-2	rectal swa	160908-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
412	1	CN-Guang	160911	bats	free-rangii	Rhinoloph	Least hors	#####	female	160911-2	rectal swa	160911-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
413	1	CN-Guang	160915	bats	free-rangii	Rhinoloph	Least hors	#####	female	160915-2	rectal swa	160915-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
414	1	CN-Guang	160935	bats	free-rangii	Hipposide	Large-ear	#####	female	160935-2	rectal swa	160935-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
415	1	CN-Guang	160939	bats	free-rangii	Hipposide	Large-ear	#####	female	160939-2	rectal swa	160939-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
416	1	CN-Guang	160941	bats	free-rangii	Hipposide	Large-ear	#####	female	160941-2	rectal swa	160941-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
417	1	CN-Guang	160942	bats	free-rangii	Hipposide	Large-ear	#####	male	160942-2	rectal swa	160942-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
418	1	CN-Yunnan	160760	bats	free-rangii	Eonycteris	Cave nect	#####	female	160760-2	rectal swa	160760-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
419	1	CN-Yunnan	160761	bats	free-rangii	Eonycteris	Cave nect	#####	female	160761-2	rectal swa	160761-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
420	1	CN-Yunnan	160762	bats	free-rangii	Eonycteris	Cave nect	#####	female	160762-2	rectal swa	160762-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
421	1	CN-Yunnan	160763	bats	free-rangii	Eonycteris	Cave nect	#####	female	160763-2	rectal swa	160763-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
422	1	CN-Yunnan	160764	bats	free-rangii	Eonycteris	Cave nect	#####	female	160764-2	rectal swa	160764-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
423	1	CN-Yunnan	160765	bats	free-rangii	Eonycteris	Cave nect	#####	male	160765-2	rectal swa	160765-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
424	1	CN-Yunnan	160768	bats	free-rangii	Eonycteris	Cave nect	#####	female	160768-2	rectal swa	160768-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
425	1	CN-Yunnan	160769	bats	free-rangii	Eonycteris	Cave nect	#####	female	160769-2	rectal swa	160769-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
426	1	CN-Yunnan	160774	bats	free-rangii	Eonycteris	Cave nect	#####	male	160774-2	rectal swa	160774-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
427	1	CN-Yunnan	160794	bats	free-rangii	Rhinoloph	Intermedia	#####	male	160794-1	rectal swa	160794-10	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
428	1	CN-Guang	161212	bats	free-rangii	Miniopterus	Schreiber	#####	male	161212-1	oral swab	161212-10	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
429	1	CN-Guang	161209	bats	free-rangii	Miniopterus	Schreiber	#####	male	161209-2	rectal swa	161209-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
430	1	CN-Guang	161210	bats	free-rangii	Miniopterus	Schreiber	#####	male	161210-2	rectal swa	161210-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
431	1	CN-Guang	161211	bats	free-rangii	Miniopterus	Schreiber	#####	male	161211-2	rectal swa	161211-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
432	1	CN-Guang	161214	bats	free-rangii	Miniopterus	Schreiber	#####	male	161214-2	rectal swa	161214-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
433	1	CN-Guang	161215	bats	free-rangii	Miniopterus	Schreiber	#####	male	161215-2	rectal swa	161215-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
434	1	CN-Guang	161216	bats	free-rangii	Miniopterus	Schreiber	#####	female	161216-2	rectal swa	161216-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
435	1	CN-Guang	161226	bats	free-rangii	Miniopterus	Schreiber	#####	female	161226-2	rectal swa	161226-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
436	1	CN-Guang	161227	bats	free-rangii	Miniopterus	Schreiber	#####	male	161227-2	rectal swa	161227-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
437	1	CN-Guang	161230	bats	free-rangii	Miniopterus	Small long	#####	male	161230-2	rectal swa	161230-20	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
438	1	CN-Guang	160937	bats	free-rangii	Hipposide	Large-ear	#####	female	160937-1	oral swab	160937-10	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
439	1	CN-Guang	160942	bats	free-rangii	Hipposide	Large-ear	#####	male	160942-1	oral swab	160942-10	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
440	1	CN-Yunnan	160756	bats	free-rangii	Eonycteris	Cave nect	#####	female	160756-1	oral swab	160756-10	#####	#####	#####	Wuhan Ins	Conventio	Coronavir
441	1	CN-Yunnan	160757	bats	free-rangii	Eonycteris	Cave nect	#####	male	160757-1	oral swab	160757-10	#####	#####	#####	Wuhan Ins	Conventio	Coronavir

	AJ	AK	AL	AM	AN	AO	AP	AQ
393	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
394	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
395	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
396	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
397	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
398	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
399	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
400	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCC	
401	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	1/9/2017	Positive	ATTGCGT	
402	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
403	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
404	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
405	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
406	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGO	
407	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGO	
408	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGO	
409	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
410	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
411	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGO	
412	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
413	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGO	
414	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
415	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTG	
416	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTGO	
417	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTG	
418	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGCTACC	
419	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
420	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
421	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
422	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGO	
423	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
424	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCCO	
425	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATG	
426	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTATGCC	
427	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTG	
428	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTT	
429	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCTTT	
430	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
431	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTT	
432	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GTATGAT	
433	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
434	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTT	
435	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTGO	
436	Modified Watanabe	Product fo	Cloning ar	Wuhan Ins	#####	Positive	TTTGCCT	
437	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
438	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTG	
439	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ACAGAGO	
440	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AATTTGO	
441	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTT	

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	AS	AT	AU	AV	AW	AX	AY
393	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
394	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
395	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
396	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
397	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
398	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
399	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
400	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
401	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
402	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
403	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
404	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
405	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-001-P	9/14/2017		
406	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
407	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
408	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
409	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
410	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
411	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
412	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
413	PREDICT_CoV-79	PREDICT	Interpretat	CN-001-P	9/14/2017		
414	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-001-P	9/14/2017		
415	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-001-P	9/14/2017		
416	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-001-P	9/14/2017		
417	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-001-P	9/14/2017		
418	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
419	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
420	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
421	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
422	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
423	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
424	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
425	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
426	PREDICT_CoV-22	PREDICT	Interpretat	CN-001-P	9/14/2017		
427	strain of Rhinolophus/Hipposideros Alphacoronavirus	Rhinoloph	Interpretat	CN-001-P	9/14/2017		
428	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
429	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
430	strain of Bat coronavirus HKU8	Bat corona	Interpretat	CN-003-P	8/9/2018		
431	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
432	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
433	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
434	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
435	strain of Bat coronavirus HKU8	Bat corona	Interpretat	CN-003-P	8/9/2018		
436	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
437	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-003-P	8/9/2018		
438	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-003-P	8/9/2018		
439	strain of Bat Coronavirus HKU10	Bat corona	Interpretat	CN-003-P	8/9/2018		
440	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
441	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		

	AJ	AK	AL	AM	AN	AO	AP	AQ
442	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCA	
443	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GTTGTAC	
444	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGATAGC	
445	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGATAGC	
446	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTC	
447	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATC	
448	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATC	
449	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATGT	
450	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAAGCA	
451	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
452	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCTATC	
453	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTTACCT	
454	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCTAT	
455	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GGTTCTC	
456	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTAA	
457	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
458	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CATTACCA	
459	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTAC	
460	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTAC	
461	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTAA	
462	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTGGGCT	
463	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAGCAT	
464	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTCTCTA	
465	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCTATGA	
466	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AATATGA	
467	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTAC	
468	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTAC	
469	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
470	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTAA	
471	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
472	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCATT	
473	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTAA	
474	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTACCT	
475	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATTAC	
476	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CCATGAT	
477	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CATTACCA	
478	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAATATG	
479	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GGTTTTA	
480	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTACCT	
481	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCATT	
482	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTAA	
483	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	
484	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCATT	
485	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAATATG	
486	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCATT	
487	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGCATTAA	
488	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTACAG	
489	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATGATTT	
490	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCAT	

[illegible]

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
491	1	CN-Yunna	CNAB045	bats	free-rang	Eonycteris	Cave nect	#####	female	CNAB045	rectal swa	CNAB045	#####	#####	#####	Wuhan In	Conventio	Coronavir
492	1	CN-Yunna	CNAB046	bats	free-rang	Eonycteris	Cave nect	#####	female	CNAB046	rectal swa	CNAB046	#####	#####	#####	Wuhan In	Conventio	Coronavir
493	1	CN-Yunna	CNAB046	bats	free-rang	Eonycteris	Cave nect	#####	female	CNAB046	rectal swa	CNAB046	#####	#####	#####	Wuhan In	Conventio	Coronavir
494	1	CN-Yunna	CNAB046	bats	free-rang	Eonycteris	Cave nect	#####	female	CNAB046	rectal swa	CNAB046	#####	#####	#####	Wuhan In	Conventio	Coronavir
495	1	CN-Yunna	CNAB046	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB046	rectal swa	CNAB046	#####	#####	#####	Wuhan In	Conventio	Coronavir
496	1	CN-Yunna	CNAB047	bats	free-rang	Eonycteris	Cave nect	#####	female	CNAB047	rectal swa	CNAB047	#####	#####	#####	Wuhan In	Conventio	Coronavir
497	1	CN-Yunna	CNAB048	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB048	rectal swa	CNAB048	#####	#####	#####	Wuhan In	Conventio	Coronavir
498	1	CN-Yunna	CNAB048	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB048	rectal swa	CNAB048	#####	#####	#####	Wuhan In	Conventio	Coronavir
499	1	CN-Yunna	CNAB048	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB048	rectal swa	CNAB048	#####	#####	#####	Wuhan In	Conventio	Coronavir
500	1	CN-Yunna	CNAB048	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB048	rectal swa	CNAB048	#####	#####	#####	Wuhan In	Conventio	Coronavir
501	1	CN-Yunna	CNAB049	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB049	rectal swa	CNAB049	#####	#####	#####	Wuhan In	Conventio	Coronavir
502	1	CN-Yunna	CNAB049	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB049	rectal swa	CNAB049	#####	#####	#####	Wuhan In	Conventio	Coronavir
503	1	CN-Yunna	CNAB049	bats	free-rang	Eonycteris	Cave nect	#####	male	CNAB049	rectal swa	CNAB049	#####	#####	#####	Wuhan In	Conventio	Coronavir
504	1	CN-Guang	CNAB050	bats	free-rang	Myotis sili	Himalayar	8/4/2017	male	CNAB050	rectal swa	CNAB050	#####	#####	#####	Wuhan In	Conventio	Coronavir
505	1	CN-Guang	CNAB052	bats	free-rang	Myotis sili	Himalayar	8/4/2017	male	CNAB052	rectal swa	CNAB052	#####	#####	#####	Wuhan In	Conventio	Coronavir
506	1	CN-Guang	CNAB052	bats	free-rang	Myotis sili	Himalayar	8/4/2017	male	CNAB052	rectal swa	CNAB052	#####	#####	#####	Wuhan In	Conventio	Coronavir
507	1	CN-Guang	CNAB052	bats	free-rang	Myotis sili	Himalayar	8/4/2017	male	CNAB052	rectal swa	CNAB052	#####	#####	#####	Wuhan In	Conventio	Coronavir
508	1	CN-Guang	CNAB054	bats	free-rang	Myotis sili	Himalayar	8/4/2017	female	CNAB054	rectal swa	CNAB054	#####	#####	#####	Wuhan In	Conventio	Coronavir
509	1	CN-Guang	CNAB055	bats	free-rang	Myotis sili	Himalayar	8/4/2017	female	CNAB055	rectal swa	CNAB055	#####	#####	#####	Wuhan In	Conventio	Coronavir
510	1	CN-Guang	CNAB056	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB056	rectal swa	CNAB056	#####	#####	#####	Wuhan In	Conventio	Coronavir
511	1	CN-Guang	CNAB057	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB057	rectal swa	CNAB057	#####	#####	#####	Wuhan In	Conventio	Coronavir
512	1	CN-Guang	CNAB057	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB057	rectal swa	CNAB057	#####	#####	#####	Wuhan In	Conventio	Coronavir
513	1	CN-Guang	CNAB057	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB057	rectal swa	CNAB057	#####	#####	#####	Wuhan In	Conventio	Coronavir
514	1	CN-Guang	CNAB057	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB057	rectal swa	CNAB057	#####	#####	#####	Wuhan In	Conventio	Coronavir
515	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
516	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
517	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
518	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
519	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
520	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
521	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
522	1	CN-Guang	CNAB058	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB058	rectal swa	CNAB058	#####	#####	#####	Wuhan In	Conventio	Coronavir
523	1	CN-Guang	CNAB059	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	#####	#####	Wuhan In	Conventio	Coronavir
524	1	CN-Guang	CNAB059	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	#####	#####	Wuhan In	Conventio	Coronavir
525	1	CN-Guang	CNAB059	bats	free-rang	Myotis sili	Himalayar	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	#####	#####	Wuhan In	Conventio	Coronavir
526	1	CN-Guang	CNAB059	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	#####	#####	Wuhan In	Conventio	Coronavir
527	1	CN-Guang	CNAB059	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB059	rectal swa	CNAB059	#####	#####	#####	Wuhan In	Conventio	Coronavir
528	1	CN-Guang	CNAB059	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB059	rectal swa	CNAB059	#####	#####	#####	Wuhan In	Conventio	Coronavir
529	1	CN-Guang	CNAB060	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB060	rectal swa	CNAB060	#####	#####	#####	Wuhan In	Conventio	Coronavir
530	1	CN-Guang	CNAB060	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB060	rectal swa	CNAB060	#####	#####	#####	Wuhan In	Conventio	Coronavir
531	1	CN-Guang	CNAB060	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB060	rectal swa	CNAB060	#####	#####	#####	Wuhan In	Conventio	Coronavir
532	1	CN-Guang	CNAB061	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB061	rectal swa	CNAB061	#####	#####	#####	Wuhan In	Conventio	Coronavir
533	1	CN-Guang	CNAB061	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB061	rectal swa	CNAB061	#####	#####	#####	Wuhan In	Conventio	Coronavir
534	1	CN-Guang	CNAB062	bats	free-rang	Rhinoloph	Least hors	8/4/2017	female	CNAB062	rectal swa	CNAB062	#####	#####	#####	Wuhan In	Conventio	Coronavir
535	1	CN-Guang	CNAB062	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	#####	#####	Wuhan In	Conventio	Coronavir
536	1	CN-Guang	CNAB062	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	#####	#####	Wuhan In	Conventio	Coronavir
537	1	CN-Guang	CNAB062	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	#####	#####	Wuhan In	Conventio	Coronavir
538	1	CN-Guang	CNAB062	bats	free-rang	Rhinoloph	Least hors	8/4/2017	male	CNAB062	rectal swa	CNAB062	#####	#####	#####	Wuhan In	Conventio	Coronavir
539	1	CN-Guang	CNAB063	bats	free-rang	Hipposide	Horsfield's	8/4/2017	female	CNAB063	rectal swa	CNAB063	#####	#####	#####	Wuhan In	Conventio	Coronavir

	AJ	AK	AL	AM	AN	AO	AP	AQ
491	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TACGCAT	
492	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCTAT	
493	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGTAAGC	
494	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGTAAGC	
495	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
496	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGTTGCA	
497	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GAGCTAT	
498	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
499	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GTAAGCA	
500	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCC	
501	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
502	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ACGTGTT	
503	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
504	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
505	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
506	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
507	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CCTAATA	
508	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
509	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTTATA	
510	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAGTATG	
511	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
512	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
513	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
514	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
515	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
516	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
517	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CATGTGA	
518	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
519	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
520	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
521	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
522	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
523	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
524	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
525	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CTAAGCA	
526	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CCTAGTA	
527	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
528	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
529	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
530	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GACTTGT	
531	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAAGCAT	
532	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTGTACA	
533	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
534	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGTTGTA	
535	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
536	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
537	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATGTC	
538	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
539	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	

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	AJ	AK	AL	AM	AN	AO	AP	AQ
540	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATGTT	
541	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
542	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCA	
543	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ACTTTCT	
544	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAATATG	
545	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
546	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TCGCAA	
547	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCC	
548	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
549	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
550	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCACGT	
551	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CACGTTA	
552	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
553	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
554	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAGTATG	
555	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCCT	
556	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCCT	
557	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCCT	
558	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
559	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTTTGC	
560	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CAACTTG	
561	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AACGGT	
562	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGTACGT	
563	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTGCGTA	
564	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GGCACG	
565	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GTAAGCA	
566	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
567	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
568	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
569	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
570	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCTA	
571	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
572	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCC	
573	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
574	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
575	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CGTAAGC	
576	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCCT	
577	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
578	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATTGGC	
579	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GCATAGT	
580	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GTAAGCA	
581	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
582	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCTA	
583	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	CATAGCA	
584	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCCA	
585	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AACTTAT	
586	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTAGGAT	
587	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	GATAGGT	
588	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCCA	

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	AS	AT	AU	AV	AW	AX	AY
540	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
541	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-003-P	8/9/2018		
542	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-003-P	8/9/2018		
543	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
544	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-003-P	8/9/2018		
545	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
546	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-003-P	8/9/2018		
547	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
548	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
549	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
550	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
551	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
552	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
553	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
554	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
555	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
556	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
557	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-003-P	8/9/2018		
558	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
559	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
560	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-003-P	8/9/2018		
561	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
562	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
563	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-003-P	8/9/2018		
564	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
565	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-003-P	8/9/2018		
566	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
567	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
568	PREDICT_CoV-23	PREDICT	Interpretat	CN-003-P	8/9/2018		
569	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
570	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
571	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
572	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
573	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
574	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
575	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
576	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
577	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
578	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
579	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
580	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-003-P	8/9/2018		
581	PREDICT_CoV-22	PREDICT	Interpretat	CN-003-P	8/9/2018		
582	strain of Bat coronavirus HKU9	Bat corona	Interpretat	CN-003-P	8/9/2018		
583	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-003-P	8/9/2018		
584	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-003-P	8/9/2018		
585	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-003-P	8/9/2018		
586	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-003-P	8/9/2018		
587	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-003-P	8/9/2018		
588	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-003-P	8/9/2018		

	AJ	AK	AL	AM	AN	AO	AP	AQ
589	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
590	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTCTACA	
591	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
592	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
593	Modified Watanabe	Product fo	Cloning ai	Wuhan Ins	#####	Positive	CATGCC	
594	Modified Watanabe	Product fo	Cloning ai	Wuhan Ins	#####	Positive	TATGCC	
595	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TGTTACA	
596	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
597	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCC	
598	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
599	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
600	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AACATGC	
601	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCC	
602	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	5/7/2018	Positive	AGAGCT	
603	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTGCTGC	
604	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	3/1/2019	Positive	TCGTGC	
605	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	3/1/2019	Positive	TCGTGC	
606	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
607	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
608	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
609	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
610	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
611	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
612	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
613	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
614	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
615	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
616	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAATATG	
617	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
618	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	ATTGCC	
619	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
620	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
621	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TTTGCCT	
622	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCC	
623	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
624	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
625	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
626	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
627	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
628	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TAATATG	
629	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
630	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
631	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
632	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
633	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
634	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
635	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	TATGCC	
636	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	
637	Modified Watanabe	Product fo	Direct Sec	Wuhan Ins	#####	Positive	AGAGCT	

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	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
638	15	CN-Yunna	CNAB099	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB099	rectal swa	CNAB099	#####	#####	#####	Wuhan In	Conventio	Coronavir
639	15	CN-Yunna	CNAB101	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB101	rectal swa	CNAB101	#####	#####	#####	Wuhan In	Conventio	Coronavir
640	15	CN-Yunna	CNAB101	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB101	rectal swa	CNAB101	#####	#####	#####	Wuhan In	Conventio	Coronavir
641	15	CN-Yunna	CNAB101	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB101	rectal swa	CNAB101	#####	#####	#####	Wuhan In	Conventio	Coronavir
642	15	CN-Yunna	CNAB101	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB101	rectal swa	CNAB101	#####	#####	#####	Wuhan In	Conventio	Coronavir
643	15	CN-Yunna	CNAB101	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB101	rectal swa	CNAB101	#####	#####	#####	Wuhan In	Conventio	Coronavir
644	15	CN-Yunna	CNAB101	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB101	rectal swa	CNAB101	#####	#####	#####	Wuhan In	Conventio	Coronavir
645	15	CN-Yunna	CNAB102	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB102	rectal swa	CNAB102	#####	#####	#####	Wuhan In	Conventio	Coronavir
646	15	CN-Yunna	CNAB102	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB102	rectal swa	CNAB102	#####	#####	#####	Wuhan In	Conventio	Coronavir
647	15	CN-Yunna	CNAB103	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB103	rectal swa	CNAB103	#####	#####	#####	Wuhan In	Conventio	Coronavir
648	15	CN-Yunna	CNAB103	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB103	rectal swa	CNAB103	#####	#####	#####	Wuhan In	Conventio	Coronavir
649	15	CN-Yunna	CNAB104	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB104	rectal swa	CNAB104	#####	#####	#####	Wuhan In	Conventio	Coronavir
650	15	CN-Yunna	CNAB104	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB104	rectal swa	CNAB104	#####	#####	#####	Wuhan In	Conventio	Coronavir
651	15	CN-Yunna	CNAB104	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB104	rectal swa	CNAB104	#####	#####	#####	Wuhan In	Conventio	Coronavir
652	15	CN-Yunna	CNAB106	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB106	rectal swa	CNAB106	#####	#####	#####	Wuhan In	Conventio	Coronavir
653	15	CN-Yunna	CNAB107	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB107	rectal swa	CNAB107	#####	#####	#####	Wuhan In	Conventio	Coronavir
654	15	CN-Yunna	CNAB107	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB107	rectal swa	CNAB107	#####	#####	#####	Wuhan In	Conventio	Coronavir
655	15	CN-Yunna	CNAB107	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB107	rectal swa	CNAB107	#####	#####	#####	Wuhan In	Conventio	Coronavir
656	15	CN-Yunna	CNAB108	bats	free-rang	Miniopter	Schreiber	#####	male	CNAB108	rectal swa	CNAB108	#####	#####	#####	Wuhan In	Conventio	Coronavir
657	15	CN-Yunna	CNAB109	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB109	rectal swa	CNAB109	#####	#####	#####	Wuhan In	Conventio	Coronavir
658	15	CN-Yunna	CNAB109	bats	free-rang	Miniopter	Schreiber	#####	female	CNAB109	rectal swa	CNAB109	#####	#####	#####	Wuhan In	Conventio	Coronavir
659	15	CN-Yunna	CNAB110	bats	free-rang	Myotis ric	Rickett's b	#####	male	CNAB110	rectal swa	CNAB110	#####	#####	#####	Wuhan In	Conventio	Coronavir
660	9	CN-Yunna	CNAB113	bats	free-rang	Rhinoloph	Thomas's b	7/3/2018	male	CNAB113	rectal swa	CNAB113	#####	#####	#####	Wuhan In	Conventio	Coronavir
661	9	CN-Yunna	CNAB114	bats	free-rang	Rhinoloph	Thomas's	7/3/2018	male	CNAB114	rectal swa	CNAB114	#####	#####	#####	Wuhan In	Conventio	Coronavir
662	9	CN-Yunna	CNAB114	bats	free-rang	Rhinoloph	Thomas's	7/3/2018	male	CNAB114	rectal swa	CNAB114	#####	#####	#####	Wuhan In	Conventio	Coronavir
663	9	CN-Yunna	CNAB115	bats	free-rang	Aselliscus	Stoliczka's	7/3/2018	male	CNAB115	rectal swa	CNAB115	#####	#####	#####	Wuhan In	Conventio	Coronavir
664	9	CN-Yunna	CNAB116	bats	free-rang	Rhinoloph	Intermedia	7/6/2018	female	CNAB116	rectal swa	CNAB116	#####	#####	#####	Wuhan In	Conventio	Coronavir
665	9	CN-Yunna	CNAB116	bats	free-rang	Rhinoloph	Intermedia	7/6/2018	female	CNAB116	rectal swa	CNAB116	#####	#####	#####	Wuhan In	Conventio	Coronavir
666	9	CN-Yunna	CNAB117	bats	free-rang	Rhinoloph	Intermedia	7/6/2018	male	CNAB117	rectal swa	CNAB117	#####	#####	#####	Wuhan In	Conventio	Coronavir
667	9	CN-Yunna	CNAB117	bats	free-rang	Rhinoloph	Intermedia	7/6/2018	male	CNAB117	rectal swa	CNAB117	#####	#####	#####	Wuhan In	Conventio	Coronavir
668	9	CN-Yunna	CNAB118	bats	free-rang	Rhinoloph	Intermedia	7/6/2018	female	CNAB118	rectal swa	CNAB118	#####	#####	#####	Wuhan In	Conventio	Coronavir
669	9	CN-Yunna	CNAB119	bats	free-rang	Rhinoloph	Intermedia	7/9/2018	female	CNAB119	rectal swa	CNAB119	#####	#####	#####	Wuhan In	Conventio	Coronavir
670	9	CN-Yunna	CNAB124	bats	free-rang	Aselliscus	Stoliczka's	#####	male	CNAB124	rectal swa	CNAB124	#####	#####	#####	Wuhan In	Conventio	Coronavir
671	9	CN-Yunna	CNAB128	bats	free-rang	Aselliscus	Stoliczka's	#####	male	CNAB128	rectal swa	CNAB128	#####	#####	#####	Wuhan In	Conventio	Coronavir
672	7	CN-Yunna	CNAB134	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB134	rectal swa	CNAB134	#####	#####	#####	Wuhan In	Conventio	Coronavir
673	7	CN-Yunna	CNAB136	bats	free-rang	Myotis lan	Chinese V	#####	male	CNAB136	rectal swa	CNAB136	#####	#####	#####	Wuhan In	Conventio	Coronavir
674	7	CN-Yunna	CNAB136	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB136	rectal swa	CNAB136	#####	#####	#####	Wuhan In	Conventio	Coronavir
675	7	CN-Yunna	CNAB138	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB138	rectal swa	CNAB138	#####	#####	#####	Wuhan In	Conventio	Coronavir
676	7	CN-Yunna	CNAB138	bats	free-rang	Myotis lan	Chinese V	#####	male	CNAB138	rectal swa	CNAB138	#####	#####	#####	Wuhan In	Conventio	Coronavir
677	7	CN-Yunna	CNAB139	bats	free-rang	Myotis lan	Chinese V	#####	male	CNAB139	rectal swa	CNAB139	#####	#####	#####	Wuhan In	Conventio	Coronavir
678	7	CN-Yunna	CNAB139	bats	free-rang	Myotis fim	Fringed lo	#####	male	CNAB139	rectal swa	CNAB139	#####	#####	#####	Wuhan In	Conventio	Coronavir
679	7	CN-Yunna	CNAB139	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB139	rectal swa	CNAB139	#####	#####	#####	Wuhan In	Conventio	Coronavir
680	7	CN-Yunna	CNAB139	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB139	rectal swa	CNAB139	#####	#####	#####	Wuhan In	Conventio	Coronavir
681	7	CN-Yunna	CNAB140	bats	free-rang	Myotis lan	Chinese V	#####	male	CNAB140	rectal swa	CNAB140	#####	#####	#####	Wuhan In	Conventio	Coronavir
682	7	CN-Yunna	CNAB141	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB141	rectal swa	CNAB141	#####	#####	#####	Wuhan In	Conventio	Coronavir
683	7	CN-Yunna	CNAB141	bats	free-rang	Myotis lan	Chinese V	#####	male	CNAB141	rectal swa	CNAB141	#####	#####	#####	Wuhan In	Conventio	Coronavir
684	7	CN-Yunna	CNAB142	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB142	rectal swa	CNAB142	#####	#####	#####	Wuhan In	Conventio	Coronavir
685	7	CN-Yunna	CNAB143	bats	free-rang	Myotis lan	Chinese V	#####	female	CNAB143	rectal swa	CNAB143	#####	#####	#####	Wuhan In	Conventio	Coronavir
686	7	CN-Yunna	CNAB143	bats	free-rang	Myotis lan	Chinese V	#####	male	CNAB143	rectal swa	CNAB143	#####	#####	#####	Wuhan In	Conventio	Coronavir

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	AS	AT	AU	AV	AW	AX	AY
638	strain of Bat coronavirus HKU8	Bat corona	Interpretat	CN-004-P	8/9/2019		
639	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
640	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
641	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
642	strain of Bat coronavirus HKU8	Bat corona	Interpretat	CN-004-P	8/9/2019		
643	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
644	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
645	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
646	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
647	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
648	strain of Bat coronavirus HKU8	Bat corona	Interpretat	CN-004-P	8/9/2019		
649	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
650	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
651	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
652	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
653	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
654	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
655	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
656	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
657	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
658	strain of Bat Coronavirus 1	Bat corona	Interpretat	CN-004-P	8/9/2019		
659	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
660	Bat Coronavirus RS4125/4259	Bat Corona	Interpretat	CN-004-P	8/9/2019		
661	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
662	strain of SARS-related betacoronavirus	SARS-rela	Interpretat	CN-004-P	8/9/2019		
663	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
664	strain of Rhinolophus/Hipposideros Alphacoronavirus	Rhinoloph	Interpretat	CN-004-P	8/9/2019		
665	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
666	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
667	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
668	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
669	strain of Bat coronavirus HKU2	Bat corona	Interpretat	CN-004-P	8/9/2019		
670	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
671	strain of Hipposideros_Bat_Alphacoronavirus_MJ/67C	Hipposide	Interpretat	CN-004-P	8/9/2019		
672	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
673	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
674	PREDICT_CoV-111	PREDICT	Interpretat	CN-004-P	8/9/2019		
675	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
676	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
677	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
678	strain of Myotis alphacoronavirus	Myotis alp	Interpretat	CN-004-P	8/9/2019		
679	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
680	strain of bat coronavirus HKU6	Bat corona	Interpretat	CN-004-P	8/9/2019		
681	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
682	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
683	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
684	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
685	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
686	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
687	P2	7691	678513	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
688	P2	7693	678545	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
689	P2	7695	678561	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
690	P2	7697	678587	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
691	P2	7699	678613	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
692	P2	7701	678639	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
693	P2	7703	678641	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
694	P2	7705	678667	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
695	P2	7707	678669	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
696	P2	7709	678677	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
697	P2	7711	678679	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
698	P2	7713	678683	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
699	P2	7715	678697	China	EcoHealth	CN-P2Y4	no	Yunnan-C	Concurrer	Yunnan	Yunnan	24.9519	102.169	24.9519	102.169	7/18/2018	Wet
700	P2	7875	711572	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1722	113.449	23.1722	113.449	1/20/2017	Dry
701	P2	7876	711575	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1722	113.449	23.1722	113.449	1/20/2017	Dry
702	P2	7877	711576	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1722	113.449	23.1722	113.449	1/20/2017	Dry
703	P2	7878	711586	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
704	P2	7879	711588	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
705	P2	7880	711621	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1722	113.449	23.1722	113.449	1/20/2017	Dry
706	P2	7881	711628	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
707	P2	7882	711629	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
708	P2	7883	711630	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
709	P2	7884	711635	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0633	113.253	23.0633	113.253	1/20/2017	Dry
710	P2	7886	711653	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
711	P2	7887	711657	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
712	P2	7888	711658	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
713	P2	7889	711669	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
714	P2	7890	711673	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
715	P2	7891	711675	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
716	P2	7892	711679	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
717	P2	7893	711681	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
718	P2	7895	711702	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
719	P2	7896	711710	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
720	P2	7898	711723	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
721	P2	7899	711728	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
722	P2	7900	711730	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
723	P2	7902	711751	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
724	P2	7905	712036	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0901	113.254	23.0901	113.254	6/28/2017	Wet
725	P2	8041	734903	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0901	113.254	23.0901	113.254	6/28/2017	Wet
726	P2	8042	734911	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0901	113.254	23.0901	113.254	6/28/2017	Wet
727	P2	8043	734923	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0901	113.254	23.0901	113.254	6/28/2017	Wet
728	P2	8044	734929	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.0901	113.254	23.0901	113.254	6/28/2017	Wet
729	P2	9545	711684	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
730	P2	9546	711733	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangzho	Guangdong	23.1486	113.221	23.1486	113.221	3/7/2017	Dry
731	P2	9547	712073	China	EcoHealth	CN-P2Y3	no	Guangdong	Independ	Guangdong	Guangdong	23.1576	113.209	23.1576	113.209	5/9/2017	Wet
732	P1	281223	468022	China	EcoHealth	N/A	N/A	Huize Town	N/A	NULL	Yunnan	26.42	103.3	26.42	103.3	4/17/2011	N/A

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	
687		7	CN-Yunna	CNAB143	bats	free-range	Myotis lan	Chinese V	#####	female	CNAB143	rectal swa	CNAB143	#####	#####	#####	Wuhan In	Conventio	Coronavir
688		7	CN-Yunna	CNAB145	bats	free-range	Myotis lan	Chinese V	#####	female	CNAB145	rectal swa	CNAB145	#####	#####	#####	Wuhan In	Conventio	Coronavir
689		7	CN-Yunna	CNAB145	bats	free-range	Rousettus	Leschena	#####	female	CNAB145	rectal swa	CNAB145	#####	#####	#####	Wuhan In	Conventio	Coronavir
690		7	CN-Yunna	CNAB147	bats	free-range	Myotis ricl	Rickett's b	#####	female	CNAB147	rectal swa	CNAB147	#####	#####	#####	Wuhan In	Conventio	Coronavir
691		7	CN-Yunna	CNAB148	bats	free-range	Myotis lan	Chinese V	#####	male	CNAB148	rectal swa	CNAB148	#####	#####	#####	Wuhan In	Conventio	Coronavir
692		7	CN-Yunna	CNAB149	bats	free-range	Myotis lan	Chinese V	#####	male	CNAB149	rectal swa	CNAB149	#####	#####	#####	Wuhan In	Conventio	Coronavir
693		7	CN-Yunna	CNAB149	bats	free-range	Myotis lan	Chinese V	#####	female	CNAB149	rectal swa	CNAB149	#####	#####	#####	Wuhan In	Conventio	Coronavir
694		7	CN-Yunna	CNAB151	bats	free-range	Myotis ricl	Rickett's b	#####	female	CNAB151	rectal swa	CNAB151	#####	#####	#####	Wuhan In	Conventio	Coronavir
695		7	CN-Yunna	CNAB151	bats	free-range	Myotis ricl	Rickett's b	#####	male	CNAB151	rectal swa	CNAB151	#####	#####	#####	Wuhan In	Conventio	Coronavir
696		7	CN-Yunna	CNAB151	bats	free-range	Myotis ricl	Rickett's b	#####	female	CNAB151	rectal swa	CNAB151	#####	#####	#####	Wuhan In	Conventio	Coronavir
697		7	CN-Yunna	CNAB151	bats	free-range	Myotis ricl	Rickett's b	#####	male	CNAB151	rectal swa	CNAB151	#####	#####	#####	Wuhan In	Conventio	Coronavir
698		7	CN-Yunna	CNAB151	bats	free-range	Myotis ricl	Rickett's b	#####	male	CNAB151	rectal swa	CNAB151	#####	#####	#####	Wuhan In	Conventio	Coronavir
699		7	CN-Yunna	CNAB152	bats	free-range	Myotis ricl	Rickett's b	#####	female	CNAB152	rectal swa	CNAB152	#####	#####	#####	Wuhan In	Conventio	Coronavir
700		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR002	oral swab	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
701		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR002	oral swab	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
702		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR002	oral swab	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
703		1	CN-Guan	CHAR003	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR003	oral swab	CHAR003	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
704		1	CN-Guan	CHAR003	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR003	oral swab	CHAR003	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
705		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR002	rectal swa	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
706		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR002	rectal swa	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
707		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR002	rectal swa	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
708		1	CN-Guan	CHAR002	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR002	rectal swa	CHAR002	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
709		1	CN-Guan	CHAR003	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR003	rectal swa	CHAR003	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
710		7	CN-Guan	CHAR005	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR005	oral swab	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
711		7	CN-Guan	CHAR005	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR005	oral swab	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
712		7	CN-Guan	CHAR005	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR005	oral swab	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
713		7	CN-Guan	CHAR006	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR006	oral swab	CHAR006	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
714		7	CN-Guan	CHAR007	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	female	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
715		7	CN-Guan	CHAR007	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	female	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
716		7	CN-Guan	CHAR007	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR007	oral swab	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
717		7	CN-Guan	CHAR008	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR008	oral swab	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
718		7	CN-Guan	CHAR005	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR005	rectal swa	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
719		7	CN-Guan	CHAR005	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	female	CHAR005	rectal swa	CHAR005	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
720		7	CN-Guan	CHAR007	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	female	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
721		7	CN-Guan	CHAR007	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
722		7	CN-Guan	CHAR008	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR008	rectal swa	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
723		7	CN-Guan	CHAR007	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	male	CHAR007	rectal swa	CHAR007	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
724		1	CN-Guan	CHAR028	rodents/sf	free-range	Rattus noi	Norway ra	#####	male	CHAR028	oral swab	CHAR028	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
725		1	CN-Guan	CHAR029	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR029	oral swab	CHAR029	5/1/2018	#####	#####	Institute o	Conventio	Coronavir
726		1	CN-Guan	CHAR030	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR030	oral swab	CHAR030	5/1/2018	#####	#####	Institute o	Conventio	Coronavir
727		1	CN-Guan	CHAR029	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR029	rectal swa	CHAR029	5/1/2018	#####	#####	Institute o	Conventio	Coronavir
728		1	CN-Guan	CHAR030	rodents/sf	free-range	Rattus noi	Norway ra	#####	female	CHAR030	rectal swa	CHAR030	5/1/2018	#####	#####	Institute o	Conventio	Coronavir
729		7	CN-Guan	CHAR008	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	female	CHAR008	oral swab	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
730		7	CN-Guan	CHAR008	rodents/sf	free-range	Rattus noi	Norway ra	3/7/2017	female	CHAR008	rectal swa	CHAR008	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
731		1	CN-Guan	CHAR023	rodents/sf	free-range	Rattus noi	Norway ra	5/9/2017	male	CHAR023	rectal swa	CHAR023	5/1/2018	#####	3/1/2019	Institute o	Conventio	Coronavir
732	N/A		Huize Tov	EHA-156-	Bats	free-range	Rhinoloph	Pearson's	#####	Male	EHA-156-	rectal swa	EHA-156-	#####	#####	N/A	Wuhan In	Conventio	Paramyx

	AJ	AK	AL	AM	AN	AO	AP	AQ
687	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCT	
688	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCT	
689	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCCA	
690	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCA	
691	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCT	
692	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCT	
693	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCA	
694	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCA	
695	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TAATATG	
696	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCA	
697	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	ATTACCT	
698	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCA	
699	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	AGAGCA	
700	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TCGAGCT	
701	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATGCCA	
702	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATTGTC	
703	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATGCCA	
704	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TACTGCC	
705	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TACTGCC	
706	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATGCCA	
707	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATGCCA	
708	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CGTGCTA	
709	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATGCCA	
710	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GACTTCC	
711	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATTGTA	
712	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GGCCTCC	
713	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TATTGTA	
714	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TAGTGCT	
715	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	TAATGTA	
716	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GACTTCA	
717	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GTAGCTA	
718	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GCCTTCC	
719	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GGCTTCC	
720	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CAGTAGC	
721	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CCAATGA	
722	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GGCTTCC	
723	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	GGCTTCC	
724	Modified Watanabe	Product fo	Direct Seq	Wuhan Ins	#####	Positive	CTGCGTA	
725	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	GGCTTCC	
726	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	CTGCGTA	
727	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	GGCTTCC	
728	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	ATTCGCT	
729	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	GCCTTCC	
730	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	GACTTCC	
731	Modified Watanabe	Product fo	Direct Seq	Institute o	#####	Positive	GACTTCC	
732	Tong et al	NULL	Product fo	Cloning a	N/A	N/A	Positive	ACACTCT

[illegible]

	AS	AT	AU	AV	AW	AX	AY
687	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
688	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
689	strain of Rousettus Bat Coronavirus/NRC-2	Rousettus	Interpretat	CN-004-P	8/9/2019		
690	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
691	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
692	PREDICT_CoV-60	PREDICT	Interpretat	CN-004-P	8/9/2019		
693	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
694	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
695	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
696	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
697	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
698	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
699	strain of bat coronavirus HKU6	Bat coron	Interpretat	CN-004-P	8/9/2019		
700	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
701	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
702	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
703	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
704	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
705	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
706	strain of Lonquan Aa mouse coronavirus	Lonquan A	Interpretat	CN-004-P	8/9/2019		
707	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
708	strain of Lonquan Aa mouse coronavirus	Lonquan A	Interpretat	CN-004-P	8/9/2019		
709	strain of Lonquan Aa mouse coronavirus	Lonquan A	Interpretat	CN-004-P	8/9/2019		
710	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
711	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
712	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
713	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
714	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
715	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
716	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
717	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
718	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
719	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
720	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
721	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
722	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
723	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
724	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
725	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
726	strain of Murine coronavirus	Murine co	Interpretat	CN-004-P	8/9/2019		
727	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
728	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-004-P	8/9/2019		
729	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-006-P	NULL		
730	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-006-P	NULL		
731	strain of Rodent Coronavirus	Rodent Co	Interpretat	CN-006-P	NULL		
732	Newcastle Disease Virus	Newcastle	Interpretat	N/A	7/7/2014		